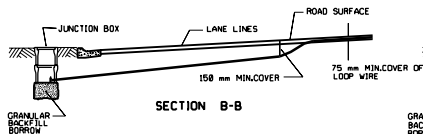


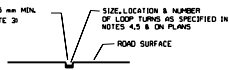
SAW CUT DETAIL

(CONCRETE)



SECTION B-B

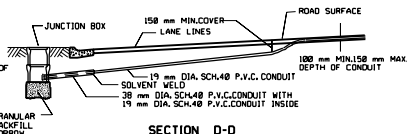
SAW CUT 12.5 mm MAX. WIDE x 75 mm MIN. COVER FILL WITH EPOXY (SEE NOTE 3)



SECTION C-C

P.V.C DETAIL

(ASPHALT)



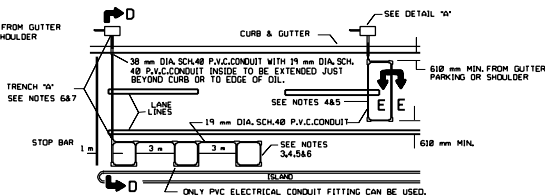
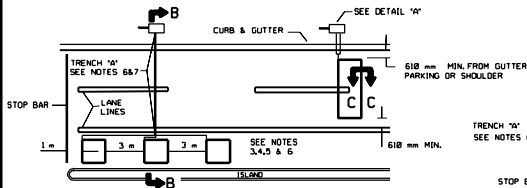
SECTION D-D

MAXIMUM TRENCH WIDTH
150 mm FOR BOTH CROSS
TRENCH AND LOOP TRENCH
TACK COAT TRENCH AND
BACKFILL WITH HOT MIX
ASPHALT.

SECTION E-E

NOTES:

1. MATERIAL REMOVED TO PLACE DETECTOR MUST BE REPLACED BY SPECIFIED MATERIAL WITHIN 8 HOURS.
2. PLACE ALL CONDUIT IN SAME TRENCH WHERE POSSIBLE.
3. PLACE ALL CONDUCTORS IN SAW CUT CABLE OR WIRE MUST BE PLACED AT BOTTOM OF DRY SLOT. EPOXY SEAL NOT CONTAINING ACETONE SOLVENT SHALL BE USED TO CLOSE SAW CUT.
4. ADD ALL LOOPS 1.8 m x 3.6 m AND SMALLER SHALL HAVE 4 TURNS OF SINGLE CONDUCTOR #14 CABLE. ALL LOOPS 1.8 m x 4.2 m AND LARGER SHALL HAVE 3 TURNS.
5. DETECTOR LOOP STATION AND OFFSET SHOWN ON PLANS INDICATE LOOP CENTER.
6. LOOP DETECTOR SHALL HAVE SEPARATE WIRE FROM LOOP TO JUNCTION BOX. EACH LOOP SHALL BE TAGGED. LOOP DETECTOR WIRE SHALL BE PLACED COUNTER CLOCKWISE.
7. LOOP DETECTOR IN TRENCH 'A' SHALL HAVE THREE TWISTS PER METER IN SAW CUT AND 18 TWISTS PER METER IN CONDUIT.
8. DETAIL TO BE USED AS INDICATED ON PLANS.
9. ALL LOOPS MUST BE INSPECTED AND TESTED. RESISTANCE TO GROUND MUST BE GREATER THAN 200 MILLION OHMS AT 600 VOLTS. SERIES RESISTANCE IS NOT TO EXCEED 0.6 ohms.



DETECTOR CIRCUIT
(2 CONDUCTOR NO.14 SHIELDED
POLYETHYLENE INSULATED CABLE)

CONDUIT TO CONTROL CABINET

WATERPROOF BUSHINGS
OR ACCEPTABLE CAULKING
COMPOUND

DETAIL 'A'

WATERPROOF SPlice KIT,
(SPlice IN BOX ONLY BY LICENSED ELECTRICIAN)

LOOP DETECTOR
(SINGLE CONDUCTOR NO.14
STRANDED INSULATED WIRE)

CONDUIT TO LOOP

ALL DIMENSIONS ARE SHOWN IN MILLIMETERS (mm) UNLESS OTHERWISE NOTED.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

(METRIC)
TRAFFIC SIGNALS
LOOP DETECTOR
DETAIL

STD. DWG. NO.
745-55L

RECOMMENDED FOR ADOPTION
NOV. 14, 2000
DATE
NOV. 14, 2000
DATE
DESIGNED BY
CHECKED BY
APPROVED BY
STANDARD DRAWING TITLE

REVISIONS	DATE	BY	REMARKS
1. CHANGE ELECTRICALLY TRANSMITTED TO CHANGE IN CONDUIT			
2. DETECTOR WIRE			
3. CHANGE DETECTOR WIRE			
4. CHANGE DETECTOR WIRE			
5. CHANGE DETECTOR WIRE			
6. CHANGE DETECTOR WIRE			
7. CHANGE DETECTOR WIRE			
8. CHANGE DETECTOR WIRE			
9. CHANGE DETECTOR WIRE			
10. CHANGE DETECTOR WIRE			